

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2000-078555

(43)Date of publication of application : 14.03.2000

(51)Int.Cl. H04N 7/16  
H04H 1/02  
H04L 12/14

(21)Application number : 10-243906 (71)Applicant : SONY CORP

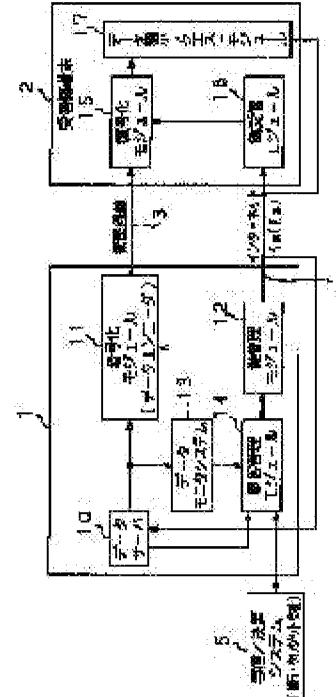
(22)Date of filing : 28.08.1998 (72)Inventor : KUBOTA ICHIRO

## (54) CHARGING METHOD AND DEVICE FOR DATA TRANSMISSION SYSTEM

### (57)Abstract:

**PROBLEM TO BE SOLVED:** To realize charging for a data unit or a data class and for each contractor while keeping confidentiality of the data in the case of using a high speed data channel with a large capacity such as a digital CATV channel or a satellite broadcast to conduct a data service.

**SOLUTION:** The device has an encryption module that encodes data and serves encrypted data and a key management module 12 that manages an encryption key to decode the encrypted data and the distribution of the encryption key, and the device transmits the encrypted data to a receiver side terminal 2 via a satellite circuit 3 and transmits the encryption key to the receiver side terminal 2 via the Internet 4. A customer management module 14 manages charging of data received by the receiver side terminal 2 depending on a distribution form of the encrypted key transmitted from the key management module 12 to the receiver side terminal 2.



## LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]